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Pastorek, Jaromir

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<222> (1)..(131)
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<400> 41

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tggagccctg aggtgctggt tgtgagctgg cctgggaccc ttgtttcctg tcatgccatg 480

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<220>
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<222> (1)..(114)
<223> 8th MN intron

<400> 46
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<210> 47
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<212> DNA
<213> HUMAN

<220>
<221> intron
<222> (1)..(617)
<223> 9th MN intron

<400> 47
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gaatgaagct tgagaaatct cccagcatcc ctctcgcaaa agaatccccc ccccttttt 240

taaagatagg gtctcactct gtttgcccca ggctggggtg ttgtggcacg atcatagctc 300

actgcagcct cgaactccta ggctcaggca atcctttcac cttagcttct caaagcactg 360

ggactgtagg catgagccac tgtgcctggc cccaaacggc ccttttactt ggcttttagg 420

aagcaaaaac ggtgcttatc ttacccccttc tcgtgtatcc accctcatcc cttggctggc 480

ctcttctgga gactgaggca ctatggggct gcctgagaac tcggggcagg ggtggtggag 540

tgcactgagg caggtgttga ggaactctgc agacccctct tccttcccaa agcagccctc 600

tctgctctcc atcgcag 617

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<211> 130
<212> DNA
<213> HUMAN

<220>
<221> intron
<222> (1)..(130)
<223> 10th MN intron

<400> 48
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gtacacacag 130

<210> 49

<211> 1401
<212> DNA
<213> HUMAN

<400> 49
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tacaggcatg cgccaccacg cccggctaat ttttgtattt ttagtagaga cggggtttcg 180

ccatgttggt caggctggtc tcgaactcct gatctcaggt gatccaacca ccctggcctc 240

ccaaagtgct gggattatag gcgtgagcca cagcgcctgg cctgaagcag ccactcactt 300

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cggtgttgag tttgggtgcg gtctcctgtg ctttgcacct ggcccgctta aggcatttgt 420

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caccgtccca ccccctcacc ttttctaccc gggttcccta agttcctgac ctaggcgtca 720

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gcgcagggaa gggaaccgtc gcgcagtgcc tgcccggggg ttgggctggc cctaccgggc 1020

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tcctaccctc gtgtcctttt cagatccacg tggttcacct cagcaccgcc tttgccagag 1320

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cagatcctgg acaccccctа c 1401

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<211> 59
<212> PRT
<213> HUMAN

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Glu Asp Ser Pro Arg Glu Glu Asp Pro Pro Gly Glu Glu Asp Leu Pro
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Gly Glu Glu Asp Leu Pro Gly Glu Glu Asp Leu Pro Glu Val Lys Pro
35 40 45

Lys Ser Glu Glu Glu Gly Ser Leu Lys Leu Glu
50 55

<210> 51
<211> 257
<212> PRT
<213> HUMAN

<400> 51
Gly Asp Asp Gln Ser His Trp Arg Tyr Gly Gly Asp Pro Pro Trp Pro
1 5 10 15

Arg Val Ser Pro Ala Cys Ala Gly Arg Phe Gln Ser Pro Val Asp Ile
20 25 30

Arg Pro Gln Leu Ala Ala Phe Cys Pro Ala Leu Arg Pro Leu Glu Leu
35 40 45

Leu Gly Phe Gln Leu Pro Pro Leu Pro Glu Leu Arg Leu Arg Asn Asn
50 55 60

Gly His Ser Val Gln Leu Thr Leu Pro Pro Gly Leu Glu Met Ala Leu
65 70 75 80

Gly Pro Gly Arg Glu Tyr Arg Ala Leu Gln Leu His Leu His Trp Gly
85 90 95

Ala Ala Gly Arg Pro Gly Ser Glu His Thr Val Glu Gly His Arg Phe
100 105 110

Pro Ala Glu Ile His Val Val His Leu Ser Thr Ala Phe Ala Arg Val
115 120 125

Asp Glu Ala Leu Gly Arg Pro Gly Gly Leu Ala Val Leu Ala Ala Phe
130 135 140

Leu Glu Glu Gly Pro Glu Glu Asn Ser Ala Tyr Glu Gln Leu Leu Ser
145 150 155 160

Arg Leu Glu Glu Ile Ala Glu Glu Gly Ser Glu Thr Gln Val Pro Gly
165 170 175

Leu Asp Ile Ser Ala Leu Leu Pro Ser Asp Phe Ser Arg Tyr Phe Gln
180 185 190

Tyr Glu Gly Ser Leu Thr Thr Pro Pro Cys Ala Gln Gly Val Ile Trp
195 200 205

Thr Val Phe Asn Gln Thr Val Met Leu Ser Ala Lys Gln Leu His Thr
210 215 220

Leu Ser Asp Thr Leu Trp Gly Pro Gly Asp Ser Arg Leu Gln Leu Asn
225 230 235 240

Phe Arg Ala Thr Gln Pro Leu Asn Gly Arg Val Ile Glu Ala Ser Phe
245 250 255

Pro

<210> 52
<211> 20
<212> PRT
<213> HUMAN

<400> 52
Ile Leu Ala Leu Val Phe Gly Leu Leu Phe Ala Val Thr Ser Val Ala
1 5 10 15

Phe Leu Val Gln
20

<210> 53
<211> 25
<212> PRT
<213> HUMAN

<400> 53
Met Arg Arg Gln His Arg Arg Gly Thr Lys Gly Gly Val Ser Tyr Arg
1 5 10 15

Pro Ala Glu Val Ala Glu Thr Gly Ala
20 25

<210> 54
<211> 59
<212> PRT
<213> HUMAN

<400> 54
Ser Ala Ser Glu Glu Pro Ser Pro Ser Glu Val Pro Phe Pro Ser Glu
1 5 10 15

Glu Pro Ser Pro Ser Glu Glu Pro Phe Pro Ser Val Arg Pro Phe Pro
20 25 30

Ser Val Val Leu Phe Pro Ser Glu Glu Pro Phe Pro Ser Lys Glu Pro
35 40 45

Ser Pro Ser Glu Glu Pro Ser Ala Ser Glu Glu
50 55

<210> 55
<211> 470
<212> RNA
<213> HUMAN

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cugcaaaagg gcgcucugug agucagccug cuccccucca ggcuugcucc ucccccaccc 180

agcucucguu uccaaugcac guacagcccg uacacaccgu gugcugggac accccacagu 240

cagccgcaug gcucccccugu gccccagccc cuggcucccu cuguugaucc cggccccugc 300

uccaggccuc acugugcaac ugcugcuguc acugcugcuu cuggugccug uccaucccca 360

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cccacugggc gaggaggauc ugcccaguga agaggauuca cccagagagg 470

<210> 56
<211> 292
<212> DNA
<213> HUMAN

<400> 56
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ctcggctcac tgcaagctcc acctcccgag ttcacgccat ttcctgcct cagcctcccg 120

agtagctggg actacaggcg cccgccacca tgcccggcta atttttgta tttttggtag 180

agacggggtt tcaccgtgtt agccagaatg gtctcgatct cctgacttcg tgatccaccc 240

gcctcggcct cccaaagttc tgggattaca ggtgtgagcc accgcacctg gc 292

<210> 57
<211> 262
<212> DNA
<213> HUMAN

<400> 57
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cagctcactg cagcctcaac cgcctcggct caaaccatca tcccatttca gcctcctgag 120

tagctgggac tacaggcaca tgccattaca cctggctaat ttttttgtat ttctagtaga 180

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cacctcagcc tcccaaaatg ag 262

<210> 58
<211> 2501
<212> DNA
<213> HUMAN

<220>
<221> misc_feature

<222> (1)..(2501)

<400> 58

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gcatgctcgt taagagtcat caccaatccc taatctcaag taatcaggga cacaaacact 180

gcggaaggcc gcagggtcct ctgcctagga aaaccagaga cctttgttca cttgtttatc 240

tgaccttccc tccactattg tccatgaccc tgccaaatcc ccctctgtga gaaacaccca 300

agaattatca ataaaaaaat aaatttaaaa aaaaaataca aaaaaaaaaa aaaaaaaaaa 360

aaaagactta cgaatagtta ttgataaatg aatagctatt ggtaaagcca agtaaatgat 420

catattcaaa accagacggc catcatcaca gctcaagtct acctgatttg atctctttat 480

cattgtcatt ctttggattc actagattag tcatcatcct caaaattctc ccccaagttc 540

taattacgtt ccaaacattt aggggttaca tgaagcttga acctactacc ttctttgctt 600

ttgagccatg agttgtagga atgatgagtt tacaccttac atgctgggga ttaatttaaa 660

ctttacctct aagtcagttg ggtagccttt ggcttatttt tgtagctaat tttgtagtta 720

atggatgcac tgtgaatctt gctatgatag ttttcctcca cactttgcca ctaggggtag 780

gtaggtactc agttttcagt aattgcttac ctaagaccct aagccctatt tctcttgtac 840

tggcctttat ctgtaatatg ggcatattta atacaatata atttttggag ttttttttgtt 900

tgtttgtttg tttgtttttt tgagacggag tcttgcatct gtcatgccca ggctggagta 960

gcagtggtgc catctcggct cactgcaagc tccacctccc gagttcacgc cattttcctg 1020

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atcatgatct ttaaagatca ataatataat cctttcaagg attatgtctt tattataata 2100

aagataattt gtctttaaca gaatcaataa tataatccct taaaggatta tatctttgct 2160

gggcgcagtg gctcacacct gtaatcccag cactttgggt ggccaaggtg gaaggatcaa 2220

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gatattgaca gggtttgccc tcactcacta gattgtgagc tcctgctcag ggcaggtagc 2340

gtttttttgtt tttgtttttg tttttctttt ttgagacagg gtcttgctct gtcacccagg 2400

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catcccattt cagcctcctg agtagctggg actacaggca c 2501

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<211> 292
<212> DNA
<213> HUMAN

<220>
<221> misc_feature
<222> (1)

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gtagctggga ctacaggcgc ccgccaccat gcccggctaa ttttttgtat ttttggtaga 180

gacggggttt caccgtgtta gccagaatgg tctcgatctc ctgacttcgt gatccacccg 240

cctcggcctc ccaaagttct gggattacag gtgtgagcca ccgcacctgg cc 292

<210> 60
<211> 262
<212> DNA
<213> HUMAN

<400> 60
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agctcactgc agcctcaacc gcctcggctc aaaccatcat cccatttcag cctcctgagt 120

agctgggact acaggcacat gccattacac ctggctaatt tttttgtatt tctagtagag 180

acagggtttg gccatgttgc ccgggctggt ctcgaactcc tggactcaag caatccaccc 240

acctcagcct cccaaaatga gg 262

<210> 61
<211> 294
<212> DNA
<213> HUMAN

<400> 61
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cggctcactg caacctccac ctcccgggtt caagtgattc tcctgcctca gcctctagcc 120

aagtagctgc gattacaggc atgcgccacc acgcccggct aatttttgta tttttagtag 180

agacggggtt tcgccatgtt ggtcaggctg gtctcgaact cctgatctca ggtgatccaa 240

ccaccctggc ctcccaaagt gctgggatta taggcgtgag ccacagcgcc tggc 294

<210> 62

<211> 276
<212> DNA
<213> HUMAN

<400> 62
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gtgtgtgcca ccatgcccag ctaatttttt tttgtatttt tagtagacag ggtttcacca 180

tgttggtcag gctggtctca aactcctggc ctcaagtgat ccgcctgact cagcctacca 240

aagtgctgat tacaagtgtg agccaccgtg cccagc 276

<210> 63
<211> 289
<212> DNA
<213> HUMAN

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tcacgaggtc aagagatcaa gaccatcctg gccaacatgg tgaaacccca tctctactaa 120

aaatacgaaa aaatagccag gcgtggtggc gggtgcctgt aatcccagct actcgggagg 180

ctgaggcagg agaatggcat gaacccggga ggcagaagtt gcagtgagcc gagatcgtgc 240

cactgcactc cagcctgggc aacagagcga gactcttgtc tcaaaaaaa 289

<210> 64
<211> 298
<212> DNA
<213> HUMAN

<400> 64
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atggtttgag cccaggagtt caagacaagg cggggcaaca tagtgtgacc ccatctctac 120

caaaaaaacc ccaacaaaac caaaaatagc cgggcatggt ggtatgcggc ctagtcccag 180

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gctatgatcc caccactgcc taccatcttt aggatacatt tatttattta taaaagaa 298

<210> 65
<211> 105
<212> DNA
<213> HUMAN

<400> 65
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ctgaccttgt gatccaccag cctcggcctc ccaaagtgct gggat 105

<210> 66
<211> 83
<212> DNA
<213> HUMAN

<400> 66
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aggcatgagc cactgtgcct ggc 83

<210> 67
<211> 11
<212> DNA
<213> HUMAN

<400> 67
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<210> 68
<211> 11
<212> DNA
<213> HUMAN

<400> 68
tggaggtgag a 11

<210> 69
<211> 11
<212> DNA
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<400> 69

cagtcgtgag g 11

<210> 70
<211> 11
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ccgaggtgag c 11

<210> 71
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<400> 71
tggaggtacc a 11

<210> 72
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<400> 72
ggaaggtcag t 11

<210> 73
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<400> 73
agcaggtggg c 11

<210> 74
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<400> 74
gccaggtaca g 11

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<400> 75
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<210> 76
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<400> 76
atacagggga t 11

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atacagggga t 11

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<400> 78
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<400> 81
ccccaggagg g 11

<210> 82
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<400> 84
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<210> 86
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<212> DNA
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<400> 86
acacagaagg g 11

<210> 87
<211> 377
<212> PRT
<213> HUMAN

<400> 87

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Asp Ser Pro Arg Glu Glu Asp Pro Pro Gly Glu Glu Asp Leu Pro Gly
         35                  40                  45

Glu Glu Asp Leu Pro Gly Glu Glu Asp Leu Pro Glu Val Lys Pro Lys
     50                  55                  60

Ser Glu Glu Glu Gly Ser Leu Lys Leu Glu Asp Leu Pro Thr Val Glu
 65                  70                  75                  80

Ala Pro Gly Asp Pro Gln Glu Pro Gln Asn Asn Ala His Arg Asp Lys
                 85                  90                  95

Glu Gly Asp Asp Gln Ser His Trp Arg Tyr Gly Gly Asp Pro Pro Trp
            100                 105                 110

Pro Arg Val Ser Pro Ala Cys Ala Gly Arg Phe Gln Ser Pro Val Asp
        115                 120                 125

Ile Arg Pro Gln Leu Ala Ala Phe Cys Pro Ala Leu Arg Pro Leu Glu
    130                 135                 140

Leu Leu Gly Phe Gln Leu Pro Pro Leu Pro Glu Leu Arg Leu Arg Asn
145                 150                 155                 160
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Asn Gly His Ser Val Gln Leu Thr Leu Pro Pro Gly Leu Glu Met Ala
                165                 170                 175

Leu Gly Pro Gly Arg Glu Tyr Arg Ala Leu Gln Leu His Leu His Trp
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Gly Ala Ala Gly Arg Pro Gly Ser Glu His Thr Val Glu Gly His Arg
        195                 200                 205

Phe Pro Ala Glu Ile His Val Val His Leu Ser Thr Ala Phe Ala Arg
    210                 215                 220

Val Asp Glu Ala Leu Gly Arg Pro Gly Gly Leu Ala Val Leu Ala Ala
225                 230                 235                 240

Phe Leu Glu Glu Gly Pro Glu Glu Asn Ser Ala Tyr Glu Gln Leu Leu
                245                 250                 255

Ser Arg Leu Glu Glu Ile Ala Glu Glu Gly Ser Glu Thr Gln Val Pro
            260                 265                 270

Gly Leu Asp Ile Ser Ala Leu Leu Pro Ser Asp Phe Ser Arg Tyr Phe
        275                 280                 285

Gln Tyr Glu Gly Ser Leu Thr Thr Pro Pro Cys Ala Gln Gly Val Ile
    290                 295                 300

Trp Thr Val Phe Asn Gln Thr Val Met Leu Ser Ala Lys Gln Leu His
305                 310                 315                 320

Thr Leu Ser Asp Thr Leu Trp Gly Pro Gly Asp Ser Arg Leu Gln Leu
                325                 330                 335

Asn Phe Arg Ala Thr Gln Pro Leu Asn Gly Arg Val Ile Glu Ala Ser
            340                 345                 350

Phe Pro Ala Gly Val Asp Ser Ser Pro Arg Ala Ala Glu Pro Val Gln
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Leu Asn Ser Cys Leu Ala Ala Gly Asp
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<212> DNA
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<400> 88
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<210> 89
<211> 34
<212> DNA
<213> HUMAN

<400> 89
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<210> 90
<211> 3532
<212> DNA
<213> HUMAN

<220>
<221> misc_feature
<222> (1)..(3532)

<400> 90
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gcatgctcgt taagagtcat caccaatccc taatctcaag taatcaggga cacaaacact 180

gcggaaggcc gcagggtcct ctgcctagga aaaccagaga cctttgttca cttgtttatc 240

tgaccttccc tccactattg tccatgaccc tgccaaatcc ccctctgtga gaaacaccca 300

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